

## Datasheet for ABIN934535 Cathepsin H Protein (CTSH)



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### Overview

Quantity: 25 µg

Target: Cathepsin H (CTSH)

Origin: Human

Source: Human

Protein Type: Native

Biological Activity: Active

### Product Details

Characteristics: Purified native Human Cathepsin H protein  
Bioactivity: >1 units/mg - One unit of activity is defined as the amount of enzyme which hydrolyzes one m of L-arginine-beta-naphtylamide per minute at 40o C in 75 mM potassium phosphate bu er, pH 6.8 with 1 mM EDTA and 3 mM cysteine.  
Protein Source: Human liver

Purity: > 80 % pure

### Target Details

Target: Cathepsin H (CTSH)

Alternative Name: Cathepsin H ([CTSH Products](#))

Background: Cathepsin H is a protein that in humans is encoded by the CTSH gene. The protein encoded by this gene is a lysosomal cysteine proteinase important in the overall degradation of lysosomal proteins. It is composed of a dimer of disulfide-linked heavy and light chains, both produced from a single protein precursor.

## Target Details

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Description: Human liver.

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Molecular Weight: 28 kDa

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Pathways: [Positive Regulation of Endopeptidase Activity](#)

## Application Details

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Application Notes: Each Investigator should determine their own optimal working dilution for specific applications.

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Restrictions: For Research Use only

## Handling

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Buffer: Frozen in 20 mM CH<sub>3</sub>COONa, pH 4.5, with 1 mM EDTA and 100 M NaCl.

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Precaution of Use: Donor samples were tested and found to be negative for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2. Nonetheless caution should be used when handling this material as there is a margin of error in all tests.

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Handling Advice: Avoid repeated freeze/thaw cycles.

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Storage: -20 °C

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Storage Comment: Aliquot and store at -20 °C.